

Appl. No. : 09/001
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3. **(Twice Amended)** The apparatus according to claim 1, further comprising an inlet and apparatus for feeding steam for the sterilisation process pulsatingly into said boiler, and an apparatus for providing a pulsating vacuum in said boiler such that air in the instruments or the like objects which are to be sterilised can be removed.

4. **(Twice Amended)** The apparatus according to claim 1, further comprising an apparatus for setting and measuring pressure, temperature, time and output.

5. **(Twice Amended)** The apparatus according to claim 4, further comprising a process computer which displays various data read-outs digitally and/or alphanumerically and/or graphically.

6. **(Twice Amended)** The apparatus according to claim 1, further comprising a switch clock for "stand-by" purposes, wherein said "stand-by" purposes are for heating-up of and maintaining the temperature of said boiler.

7. **(Twice Amended)** The apparatus according to claim 1, further comprising lateral supports for a number of standard plateaus on which objects to be sterilised may be placed.

8. **(Twice Amended)** The apparatus according to claim 5, wherein the front or feed side of the boiler can be sealed pressure-tight by means of a heat-isolating hinged door provided with an incorporated nut whereby the casing to that end is provided with a swivelable hermetically sealing screw.

B2 9. **(Amended)** The apparatus according to claim 1 wherein said sealing screw is operated by means of an electromotor of which the operating phases are operated by said process computer.

10. **(Twice Amended)** The apparatus according to claim 1, wherein said double-walled boiler comprises a cylindrical sterilisation boiler placed symmetrically though non-concentrically within a cylindrical outer boiler, such that in the use-position the volume of the fluid or water space on the bottom of the double-walled boiler is considerably larger than at the top of the boiler.

11. **(Twice Amended)** The apparatus according to claim 1, wherein said double-walled boiler comprises a cylindrical sterilisation boiler placed concentrically within a cylindrical outer boiler.

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B3 12. (Twice Amended) The apparatus according to claim 5, wherein said process computer and said sterilisation apparatus are provided in a casing said casing further comprising the fluid reservoir with corresponding pump, control appendages, a dry-air connection and a connection to a vacuum line with valves.

B4 14. (Amended) The apparatus according to claim 1, further comprising demineralized water.

15. (Amended) The apparatus according to claim 5, further comprising an internal or external printing apparatus for displaying said data read outs.

Added Claims

B5 C3 16. (New) A compact sterilisation apparatus for medical instruments and the like which is easy to operate, handle and transport, said apparatus comprising a casing provided with a double-walled sterilisation boiler having an inner wall and an outer wall, whereby a volume of about 10 to about 50 liters of fluid is present between the inner and the outer wall such that a stable temperature of the inner wall can be achieved as well as steam generated therefrom, wherein said double-walled boiler comprises a cylindrical boiler placed within a cylindrical outer boiler

B5 D4 17. (New) The apparatus according to Claim 16, wherein said cylindrical boiler is placed concentrically or symmetrically but non-concentrically within said outer boiler.

18. (New) The apparatus of Claim 16, further comprising regulators and heating elements in said double boiler walls which provide for a stable fluid temperature.

19. (New) The apparatus of Claim 16, further comprising an inlet and apparatus for feeding steam for the sterilisation process pulsatingly into said boiler, and an apparatus for providing a pulsating vacuum in said boiler such that air in the instruments or the like objects which are to be sterilised can be removed.

20. (New) The apparatus of Claim 16, further comprising an apparatus for setting and measuring pressure, temperature, time and output.

21. (New) The apparatus according to claim 16, further comprising a process computer which displays various data read-outs digitally and/or alphanumerically and/or graphically.